

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054257 A1

(51) International Patent Classification⁷:
A61K 31/28, A61P 5/00, 25/00

C07F 9/00,

of Catalonia, Avgda, Paisos Catalan, E-43007 Tarragona
(ES).

(21) International Application Number:
PCT/GB2004/005080

(74) Agents: CHAPMAN, Paul, William et al.; Kilburn &
Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

(22) International Filing Date: 6 December 2004 (06.12.2004)

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0328157.3 4 December 2003 (04.12.2003) GB

(71) Applicant (*for all designated States except US*): IM-
PERIAL COLLEGE INNOVATIONS LIMITED
[GB/GB]; Electrical and Electronic Engineering Building,
Imperial College, Level 12, Exhibition Road, London
SW7 2AZ (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): WOSCHOLSKI,
Rudiger [DE/GB]; Imperial College Innovations Limited,
Electrical and Electronic Engineering Building, Imperial
College, Level 12, Exhibition Road, London SW7 2AZ
(GB). ROSIVATZ, Erika [AT/GB]; Imperial College In-
novations Limited, Electrical and Electronic Engineering
Building, Imperial College, Level 12, Exhibition Road,
London SW7 2AZ (GB). VILAR, Ramon [ES/ES]; Icrea
Research Professor, Icriq - Institute of Chemical Research

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: VANADIUM COMPOUNDS AS INHIBITORS OF PHOSPHATASES

(57) Abstract: Novel Vanadium compounds are described as well as their use as inhibitors of phosphatases, particularly inositol phosphatases. The use of the compound in the treatment of neurodegenerative diseases is also described.

WO 2005/054257 A1